

Questions

- What are the different types of dependency injections?
- What is setter injection?
- What is constructor injection?
- How do you choose between setter and constructor injections?

Setter Injection

```
@Component
public class TodoBusinessService {

    TodoDataService dataService;

    @Autowired
    public void setDataService
        (TodoDataService dataService) {
        this.dataService = dataService;
    }
}
```

Constructor Injection

```
@Component
public class TodoBusinessService {

    TodoDataService dataService;

    @Autowired
    public TodoBusinessService(TodoDataService dataService)
        super();
        this.dataService = dataService;
}
```

```
//Through Reflection  
@Component  
public class TodoBusinessService  
  
    @Autowired  
    TodoDataService dataService;
```


Constructor vs Setter Injection

- <https://docs.spring.io/spring/docs/current/spring-framework-reference/htmlsingle/>
- The Spring team generally advocates constructor injection as it enables one to implement application components as immutable objects and to ensure that required dependencies are not null.

Constructor vs Setter Injection

- Constructor Injection for Mandatory Dependencies
- Setter Injection for Optional Dependencies